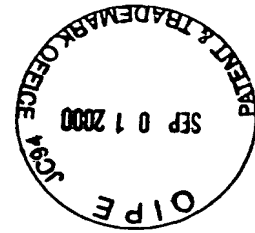


1
SEQUENCE LISTING



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SEP 07 2000

TECH CENTER 1600/2900

<110> NERI, Dario
TARLI, Lorenzo
VITI, Francesca
BIRCHLER, Manfred

<120> SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES
CONTAINING THEM AND THERAPEUTIC METHOD FOR TREATMENT OF
ANGIOGENESIS

<130> SCH-1733P2

<140> 09/512,082

<141> 2000-02-24

<150> 09/300,425

<151> 1999-04-28

<150> 09/075,338

<151> 1998-05-11

<160> 34

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 1

gcggcccagc cggccatggc cgag

24

<210> 2

<211> 54

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

<220>

<223> "n" at various positions throughout the sequence
represent a, t, c, g, other or unknown

<400> 2

gagcctggcg gaccagctc atmnmmnnmn ngctaaaggt gaatccagag gctg

54

<210> 3

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<220>

<223> Description of Artificial Sequence: primer

<400> 3

atgagctggg tccgccaggc tcc

23

<210> 4

<211> 60

<212> DNA

<213> Artificial Sequence

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represent a, t, c, g, other or unknown

<400> 4

gtctgcgtag tatgtggtac cmnnactacc mnnaatmnnt gagaccact ccagcccctt 60

<210> 5

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 5

acatactacg cagactccgt gaag

24

<210> 6

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 6

tcattctcga cttgcggcgc ctttgatttc caccttggtc ccttggccga acg

53

<210> 7

<211> 47

<212> DNA

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<223> Description of Artificial Sequence: primer

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<223> "n" at various positions throughout the sequence

represent a, t, c, g, other or unknown

<400> 7

gtttctgctg gtaccaggct aamngctgc tgctaact ctgactg

47

<210> 8

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

<400> 8

ttagcctggt accagcagaa acc

23

<210> 9

<211> 46

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

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<223> "n" at various positions throughout the sequence
represent a, t, c, g, other or unknown

<400> 9

gccagtggcc ctgctggatg cmnnatagat gaggagcctg ggagcc

46

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 10

gcatccagca gggccactgg c

21

<210> 11

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 11

gcggcccagc atgcatggc cgaggcgcag ctgttgagct ctggg

45

<210> 12
 <211> 55
 <212> DNA
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 represent a, t, c, g, other or unknown

<400> 12
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<210> 13
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 13
 gcggcccagc atgccatggc cgag 24

<210> 14
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 14
 cccgctaccg ccaactggacc catcgccact cgagacgggtg accagggttc cctggcccca 60
 gtagtc 66

<210> 15
 <211> 62
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 15
 gatgggtcca gtggcggtag cgggggcgcg tcgactggcg aaattgtgtt gacgcagtct 60
 cc 62

<210> 16
 <211> 63
 <212> DNA
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<223> Description of Artificial Sequence: primer

<220>

<223> "n" at various positions throughout the sequence
represent a, t, c, g, other or unknown

<400> 16

caccttggtc ccttggccga acgtmnnccg mnnmnnaccm nnctgctgac agtaatacac 60
tgc 63

<210> 17

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 17

gagtcattct cgacttgccg ccgctttgat ttccaccttg gtccttggc cgaacg 56

<210> 18

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 18

gatgggtcca gtggcggtag cggg 24

<210> 19

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: H antibody specific
for ED-B domain of fibronectin

<400> 19

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
20 25 30

Ser Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Ser Ser Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Lys Pro Phe Pro Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
 100 105 110
 Thr Val Ser Ser
 115

<210> 20
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: antibody linker

<400> 20
 Gly Asp Gly Ser Ser Gly Gly Ser Gly Gly Ala Ser Thr Gly
 1 5 10

<210> 21
 <211> 108
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: VL antibody
 specific for ED-B domain of fibronectin

<400> 21
 Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
 1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
 20 25 30

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
 35 40 45

Ile Tyr Tyr Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
 50 55 60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
 65 70 75 80

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Thr Gly Arg Ile Pro
 85 90 95

Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 22
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: peptide formula

<400> 22
 Glu Gly Ile Pro Ile Phe Glu Asp Phe Val Asp Ser Ser Val Gly Tyr
 1 5 10 15

<210> 23
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: peptide formula

<400> 23
 Tyr Thr Val Thr Gly Leu Glu Pro Gly Ile Asp Tyr Asp Ile Ser
 1 5 10 15

<210> 24
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: peptide formula

<400> 24
 Asn Gly Gly Glu Ser Ala Pro Thr Thr Leu Thr Gln Gln Thr
 1 5 10

<210> 25
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: DNA construct

<220>
 <221> CDS
 <222> (10)..(69)

<400> 25
 gcggcgcga gat gac gat tcc gac gat gac tac aag gac gac gac gac aag 51
 Asp Asp Asp Ser Asp Asp Asp Tyr Lys Asp Asp Asp Asp Lys
 1 5 10

cac cat cac cat cac cat tag
His His His His His His
15 20

<210> 26
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide construct

<400> 26
Asp Asp Asp Ser Asp Asp Asp Tyr Lys Asp Asp Asp Lys His His
1 5 10 15

His His His His
20

<210> 27
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 27
Ala Ile Ser Gly Ser Gly
1 5

<210> 28
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 28
Ser Ile Arg Gly Ser Ser
1 5

<210> 29
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 29
Gly Leu Ser Ile
1

<210> 30
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 30
Ser Phe Ser Phe
1

<210> 31
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 31
Phe Pro Phe Tyr
1

<210> 32
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 32
Asn Gly Trp Tyr Pro Trp
1 5

<210> 33
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 33
Gly Gly Trp Leu Pro Tyr
1 5

<210> 34
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 34
Thr Gly Arg Ile Pro Pro
1 5